

REMARKS

Claims 1-31 are pending. Claims 1, 9, 17 and 25 are independent.

In an office action dated March 1, 2005, the examiner requested that an omitted figure 4 be included in this communication.

Applicant submitted a preliminary amendment dated March 21, 2002, correcting all references from FIG. 4 to FIG. 2C in the specification, correcting other typographical errors in the specification, adding new claims 25-31, and requesting approval of drawing changes. No new matter was added. Applicant kindly requests that the examiner acknowledge receipt of the March 21, 2002 preliminary amendment, a copy of which is attached for the convenience of the examiner.

Applicant has amended the specification to correct spelling errors, grammatical errors, and numbering errors. No new matter was added.

In the office action dated March 1, 2005, the examiner rejected claims 3-8, 11-16, 19-24 and 27-31 as failing to comply with the enabling requirement.

Applicant amended claims 3, 11, 19 and 27 to remove material not enabled in the specification. No new matter was added.

In the office action dated March 1, 2005, the examiner used Branch to reject claims 1, 2, 4-6, 8-10, 12-14, 16-18, 20-22, 24-26 and 28-30 as having been anticipated.

Claims 1, 9, 17 and 25, as amended, recite "modifying the linked list of addresses of the first queue entry based on the cell count of the first address retrieved, including decrementing the cell count of the first address each time the first address is retrieved," or similar language.

Branch neither describes nor suggests this quoted claim feature. Branch does nothing to manipulate a cell count but uses a cell count field to manage cell queue information:

Count field 342 contains the number of cells in the cell queue for the multicast group. (Col. 8, line 15-16)

Accordingly, claims 1, 9, 17 and 25 are not anticipated by Branch.

In the office action dated March 1, 2005, the examiner used Branch and Adam to reject claims 7, 15, 23 and 31 as having been obvious.

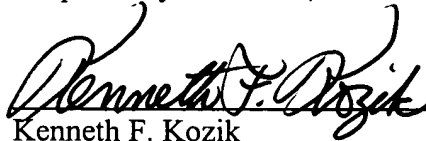
Claims 1, 9, 17 and 25 are not obvious in view of Branch and Adam. At a minimum, the cited references fail to teach or suggest modifying the linked list of addresses of the first queue entry based on the cell count of the first address retrieved, including decrementing the cell count of the first address each time the first address is retrieved. Claims 7, 15, 23 and 31 depend upon, and add further limitations to, claims 1, 9, 17 and 25. Accordingly, claims 7, 15, 23 and 31 are not obvious in view of Branch and Adam.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

Please apply any charges or credits to deposit account 06-1050 referencing 10559-614001.

Respectfully submitted,

Date: June 1, 2005


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PATENT

ATTORNEY DOCKET NO.: 10559-614001

The Patent and Trademark Office date stamp sets forth the date of receipt of:

Applicant or Patentee Gilbert Walrich et al.

No. (Application, Appeal, Interference, Patent, Reexam) 10/020,815

Filing or Issue Date December 12, 2001

Title: QUEUE MANAGEMENT

- ☒ Transmittal Letter (2 Copies) ☐ With Per. for Ext. (1 pg)
- ☐ Assignment ☐ Status Inquiry
- ☒ Amendment/Response 9 Pages ☐ Declaration
- ☐ Maintenance Fee ☐ Request Certificate of Correction
- ☒ Check \$ 210.00 ☐ Notice of Appeal
- ☐ Deposit Account Order Form (2 Copies) ☐ Appeal Brief (3 Copies) _____ Pages
- ☐ Issue Fee ☐ Request Patent Copies ☐ Petition for Extension Time
- ☐ Information Disclosure Statement
- ☐ PTO 1449 Form- _____ Pages
- ☐ Prior Art References-Number of References _____
- ☒ Drawings _____ Sheets Formal 1 Sheets Informal _____ Sheets Amended
- ☐ Notice of Missing Parts
- ☐ Combined Declaration and Power of Attorney
- ☐ Small Entity Statement
- ☒ Other request for Approval of Drawing Changes
with 1 sheet of drawings (2 pgs)

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Initials JW/DW Inventor Name INTEL Date 3/21/02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gilbert Wolrich et al. Art Unit : 2171
Serial No.: 10/020,815 Examiner : Unknown
Filed : December 12, 2001
Title : QUEUE MANAGEMENT

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

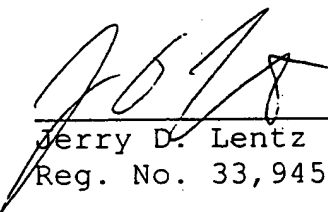
Correspondence relating to this application is enclosed.
The required fees are computed below. Please apply any charges
not covered, or any credits, to Deposit Account No. 06-1050.

Total						
Claims	31	-	24	=	7	\$126
Independent	4	-	3	=	1	\$84
Request for Approval of Drawing Change and 1 sheet of drawings						\$0
TOTAL FEE DUE						\$210

A check for \$210 is attached.

Respectfully submitted,

Date: 3/21/02


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Typed or Printed Name of Person Signing
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PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the specification:

Replace the line at page 7, line 12 with the following rewritten line:

-- process 120 returns (124)[(122)] the BDA from the head of the queue --

Replace the paragraph beginning at page 8, line 11 with the following rewritten paragraph:

-- Referring to FIG. 2C, a logical representation of the sequence of data packets that are transmitted by a system

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performing process 80 is shown. The data buffers, 18a-18n, and cell numbers of FIG. 2C correspond to the same numbers shown in Figs. 1 and 2B. As shown in FIG. 2C, a system performing process 80 causes the two cells of data buffer 18a to be transmitted before the transmission of the first cell of data buffer 18b is begun. Likewise, data buffer 18b completes transmission before the first cell of data buffer 18c begins transmission, and so forth. --

In the claims:

Add claims 25 through 31.

-- 25. (New) A processing system for managing queue entries comprising:

- a processor;
- a memory to store queue entries; and
- a storage-medium accessible by the processor to store executable instructions, which when accessed by the processor causes the processor to:

- store addresses in a first queue entry as a linked list, each of the stored addresses including a cell count;
- retrieve a first address from the first queue entry;

and

- modify the linked list of addresses of the first queue entry based on the cell count of the first address retrieved.

26. (New) The system of claim 1, wherein modifying comprises:

decrementing the cell count of the first address each time the first address is retrieved.

27. (New) The method of claim 26, further comprising instructions, which when accessed by the processor causes the processor to:

determine the cell count is zero; and

set a second address as the first address of the first queue entry.

28. (New) The system of claim 27, wherein storing addresses further comprises:

setting the first address as the head address of the first queue entry; and

linking a second address to the first address of the first queue entry.

29. (New) The system of claim 28, wherein linking the second address to the first address further comprises instructions, which when accessed by the processor causes the processor to:

setting the second address as a tail address of the first queue entry.

30. (New) The system of claim 29, further comprises instructions, which when accessed by the processor causes the processor to:

link a third address to the first queue entry by storing the third address in the location indicated by the tail address.

31. (New) The system of claim 29, further comprises instructions, which when accessed by the processor causes the processor to:

increment a queue count each time an address is linked to the first queue entry. --

In the drawings:

Enclosed is one amended page of drawings for the application with changes indicated in red.

REMARKS

Enclosed is one amended page of drawings for the application with changes indicated in red. The drawings are being amended to correct inaccuracies in the original drawings submitted and correspond to the written specification of the original application. The amendment to the drawings does not add new matter, it merely conforms to the written description beginning at page 7, line 17, and continuing through page 8, line 2.

The specification has been amended to correct minor inaccuracies in the description related to FIG. 2C. The amendments to the specification are supported by the original drawing marked FIG. 2C and the description of FIG. 2C in the section entitled: "DESCRIPTION OF THE DRAWINGS".

Claims 25-31 have been added. Claims 1-31 are pending in this application.

Applicant submits that no new matter is introduced and requests approval of the amended drawings and amendments to the specification.

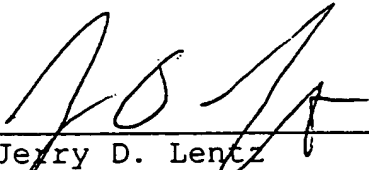
Attached is a marked-up version of the changes being made by the current amendment.

Applicant asks that all claims be examined. Enclosed is a \$210.00 check for excess claim fees. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: _____

3/21/02



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Version with markings to show changes made

In the specification:

Line at page 7, line 12 has been amended as follows:

process 120 returns (124)[(122)] the BDA from the head of the queue

The paragraph beginning at page 8, line 11 has been amended as follows:

Referring to FIG. 2C [4], a logical representation of the sequence of data packets that are transmitted by a system performing process 80 is shown. The data buffers, 18a-18n, and cell [Cell] numbers of FIG. 2C [4] correspond to the same numbers shown in Figs. 1 and 2B. As shown in FIG. 2C [4], a system performing process 80 causes the two cells of data buffer 18a to be transmitted before the transmission of the first cell [Cell] of data buffer 18b is begun. Likewise, data buffer 18b completes transmission before the first cell of data buffer 18c begins transmission, and so forth.

In the claims:

Claims 25 through 31 have been added.

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Attention: Official Draftsman
Commissioner for Patents
Washington, D.C. 20231

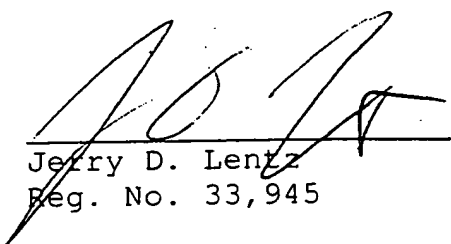
REQUEST FOR APPROVAL OF DRAWING CHANGES

Enclosed is one page of amended drawings for the application with changes indicated in red.

Applicant submits that no new matter is introduced and requests approval of the amended drawings.

Respectfully submitted,

Date: 3/21/02


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